ACKNOWLEDGEMENTS

The author wishes to express his deep sense of gratitude to Dr. S.V. Patil, Director of Instruction in Post-graduate Studies, University of Agricultural Sciences, Dharwar, Karnataka State, for giving his most valuable and inspiring guidance, helpful criticisms and constant encouragement throughout, to carry out the thesis work in different black soil areas of North-East Karnataka State, viz., Agricultural College, Dharwar, Agricultural Research Stations, Seed Farms and Farmers' fields.

The author is profoundly grateful to Dr. Howard R. Haise, Research Investigations Leader (Water Management) Soil and Water Conservation Research Division, Northern Plains, United States Department of Agriculture, Fort Collins, Colorado, U.S.A. for sharing his most valuable time and guiding the author on the subject of thesis.

The author is also grateful to the Scientists in the field of Soil and Water Conservation, Irrigation and Drainage of the United States Department of Agriculture, Bureau of Reclamation, U.S.A. and the International Reclamation Centre, Wageningen, The Netherlands, who helped him in the analysis of the data, during his study tour, abroad in 1970-71.
Thanks are also due to Dr. H.R. Arakeri, Vice-Chancellor, University of Agricultural Sciences, Hebbal, Bangalore, Karnataka State and Member, National Commission on Agriculture, India, and Dr. N.P. Patil, Director of Research, University of Agricultural Sciences, Hebbal, Bangalore, Karnataka State, Dr. M.S. Swaminathan, Director General, I.C.A.R., New Delhi, Dr. J.S. Kanwar, Director, Indian Counterpart "ICRISAT" International Crops Research Institute for Semi Arid Tropics 1-11-256, Begumpet, Hyderabad, Dr. Ch. Krishna Murthy, Director, Dry Farming Research Project, Hyderabad, Dr. N.G. Dastane, Advisor to Aswan Dam Project, Egypt, Dr. J.S.P. Yadav and Dr. D.R. Bhumbla, Central Soil Salinity Research Institute, Karnal, for the guidance encouragement and facilities provided in pursuing the work on this thesis.

The author wishes to acknowledge the help rendered by his colleagues and co-workers for their kind help and useful suggestions during the course of the study and preparation of the manuscript.

Karnatak University
Dharwar
December 27, 1973

H.S.M. Channabasaiah
27-12-1973

( H.S.M. Channabasaiah )